Contents of Volume 118

NUMBER 1

PERSPECTIVES IN ORNITHOLOGY

DELAYED DISPERSAL: LIVING UNDER THE REIGN OF NEPOTISTIC PARENTS. *Jan Ekman, Vittorio Baglione, Sönke Eggers, and Michael Griesser* 1

OVERVIEW

RECENT ADVANCES IN GRASSLAND BIRD RESEARCH: WHERE DO WE GO FROM HERE? *Peter D. Vickery and James R. Herkert* 11

ARTICLES

LINKING BREEDING AND WINTERING GROUNDS OF BICKNELL'S THRUSHES USING STABLE ISOTOPE ANALYSES OF FEATHERS. *Keith A. Hobson, Kent P. McFarland, Leonard I. Wassenaar, Christopher C. Rimmer, and James E. Goetz* 16

AREA REQUIREMENTS OF GRASSLAND BIRDS: A REGIONAL PERSPECTIVE. *Douglas H. Johnson and Lawrence D. Igl* 24

MOLECULAR SYSTEMATICS AND BIOGEOGRAPHY OF ANTILLEAN THRASHERS, TREMBLERS, AND MOCKINGBIRDS (AVES: MIMIDAE). *Jeffrey S. Hunt, Eldredge Bermingham, and Robert E. Ricklefs* 35

A CRYPTIC NEW SPECIES OF FLYCATCHER (TYRANNIDAE: *SUIRIRI*) FROM THE CERRADO REGION OF CENTRAL SOUTH AMERICA. *Kevin J. Zimmer, Andrew Whittaker, and David C. Oren* 56

PATTERNS OF CORTICOSTERONE SECRETION IN MIGRATING SEMIPALMATED SANDPIPERS AT A MAJOR SPRING STOPOVER SITE. *David S. Mizrahi, Rebecca L. Holberton, and Sidney A. Gauthreaux, Jr.* 79

CONSEQUENCES OF DOMINANCE-MEDIATED HABITAT SEGREGATION IN AMERICAN REDSTARTS DURING THE NONBREEDING SEASON. *Peter P. Marra and Richard T. Holmes* 92

PREDATOR RESPONSES TO SIMILARITY AND DISPERSION OF ARTIFICIAL NEST SITES: IMPLICATIONS FOR THE STRUCTURE OF BOREAL FOREST SONGBIRD COMMUNITIES. *Sheila A. Rangen, Robert G. Clark, and Keith A. Hobson* 105

NESTLING GROWTH AND THERMOREGULATORY DEVELOPMENT IN SUBALPINE DUSKY FLYCATCHERS. *Maria Elena Pereyra and Martin L. Morton* 116

DISPERSAL PATTERN OF BLACK-BILLED MAGPIES (*PICA HUDSONIA*) MEASURED BY MOLECULAR GENETIC (RAPD) ANALYSIS. *Xiao-hong Wang and Charles H. Trost* 137

NO EVIDENCE FOR EFFECTS OF BREEDING DENSITY AND MALE REMOVAL ON EXTRAPAIR PATERNITY IN THE PIED FLYCATCHER. *Osmo Rätti, Arne Lundberg, Håkan Tegelström, and Rauno V. Alatalo* 147

DEMOGRAPHY OF BROWN-HEADED COWBIRDS AT DELTA MARSH, MANITOBA. *Bonnie E. Woolfenden, H. Lisle Gibbs, and Spencer G. Sealy* 156

SEXUAL SELECTION AND TAIL-LENGTH DIMORPHISM IN SCISSOR-TAILED FLYCATCHERS. *Jonathan V. Regosin and Stephen Pruett-Jones* 167

VARIATION IN GROWTH OF NESTLING TREE SWALLOWS ACROSS MULTIPLE TEMPORAL AND SPATIAL SCALES. *John P. McCarty* 176

COMPARISON OF THE REPRODUCTIVE BIOLOGY OF TWO NEOTROPICAL WRENS IN AN UNPREDICTABLE ENVIRONMENT IN NORTHEASTERN COLOMBIA. *Jorge A. Ahumada* 191

SHORT COMMUNICATIONS

Mitochondrial Perspective on the Phylogenetic Relationships of the *Parula* Wood-warblers. *Irby J. Lovette and Eldredge Bermingham* 211

Genetic Monogamy in Carolina Wrens (*Thryothorus ludovicianus*). *Thomas M. Haggerty, Eugene S. Morton, and Robert C. Fleischer* 215

Does Red-cockaded Woodpecker Excavation of Resin Wells Increase Risk of Bark Beetle Infestation of Cavity Trees? *Richard N. Conner, Daniel Saenz, D. Craig Rudolph, William G. Ross, David L. Kulhavy, and Robert N. Coulson* 219

Contents of Volume 118

NUMBER 1

PERSPECTIVES IN ORNITHOLOGY

DELAYED DISPERSAL: LIVING UNDER THE REIGN OF NEPOTISTIC PARENTS. *Jan Ekman, Vittorio Baglione, Sönke Eggers, and Michael Griesser* 1

OVERVIEW

RECENT ADVANCES IN GRASSLAND BIRD RESEARCH: WHERE DO WE GO FROM HERE? *Peter D. Vickery and James R. Herkert* 11

ARTICLES

LINKING BREEDING AND WINTERING GROUNDS OF BICKNELL'S THRUSHES USING STABLE ISOTOPE ANALYSES OF FEATHERS. *Keith A. Hobson, Kent P. McFarland, Leonard I. Wassenaar, Christopher C. Rimmer, and James E. Goetz* 16

AREA REQUIREMENTS OF GRASSLAND BIRDS: A REGIONAL PERSPECTIVE. *Douglas H. Johnson and Lawrence D. Igl* 24

MOLECULAR SYSTEMATICS AND BIOGEOGRAPHY OF ANTILLEAN THRASHERS, TREMBLERS, AND MOCKINGBIRDS (AVES: MIMIDAE). *Jeffrey S. Hunt, Eldredge Bermingham, and Robert E. Ricklefs* 35

A CRYPTIC NEW SPECIES OF FLYCATCHER (TYRANNIDAE: *SUIRIRI*) FROM THE CERRADO REGION OF CENTRAL SOUTH AMERICA. *Kevin J. Zimmer, Andrew Whittaker, and David C. Oren* 56

PATTERNS OF CORTICOSTERONE SECRETION IN MIGRATING SEMIPALMATED SANDPIPERS AT A MAJOR SPRING STOPOVER SITE. *David S. Mizrahi, Rebecca L. Holberton, and Sidney A. Gauthreaux, Jr.* 79

CONSEQUENCES OF DOMINANCE-MEDIATED HABITAT SEGREGATION IN AMERICAN REDSTARTS DURING THE NONBREEDING SEASON. *Peter P. Marra and Richard T. Holmes* 92

PREDATOR RESPONSES TO SIMILARITY AND DISPERSION OF ARTIFICIAL NEST SITES: IMPLICATIONS FOR THE STRUCTURE OF BOREAL FOREST SONGBIRD COMMUNITIES. *Sheila A. Rangen, Robert G. Clark, and Keith A. Hobson* 105

NESTLING GROWTH AND THERMOREGULATORY DEVELOPMENT IN SUBALPINE DUSKY FLYCATCHERS. *Maria Elena Pereyra and Martin L. Morton* 116

DISPERSAL PATTERN OF BLACK-BILLED MAGPIES (*PICA HUDSONIA*) MEASURED BY MOLECULAR GENETIC (RAPD) ANALYSIS. *Xiao-hong Wang and Charles H. Trost* 137

NO EVIDENCE FOR EFFECTS OF BREEDING DENSITY AND MALE REMOVAL ON EXTRAPAIR PATERNITY IN THE PIED FLYCATCHER. *Osmo Rätti, Arne Lundberg, Håkan Tegelström, and Rauno V. Alatalo* 147

DEMOGRAPHY OF BROWN-HEADED COWBIRDS AT DELTA MARSH, MANITOBA. *Bonnie E. Woolfenden, H. Lisle Gibbs, and Spencer G. Sealy* 156

SEXUAL SELECTION AND TAIL-LENGTH DIMORPHISM IN SCISSOR-TAILED FLYCATCHERS. *Jonathan V. Regosin and Stephen Pruett-Jones* 167

VARIATION IN GROWTH OF NESTLING TREE SWALLOWS ACROSS MULTIPLE TEMPORAL AND SPATIAL SCALES. *John P. McCarty* 176

COMPARISON OF THE REPRODUCTIVE BIOLOGY OF TWO NEOTROPICAL WRENS IN AN UNPREDICTABLE ENVIRONMENT IN NORTHEASTERN COLOMBIA. *Jorge A. Ahumada* 191

SHORT COMMUNICATIONS

Mitochondrial Perspective on the Phylogenetic Relationships of the *Parula* Wood-warblers. *Irby J. Lovette and Eldredge Bermingham* 211

Genetic Monogamy in Carolina Wrens (*Thryothorus ludovicianus*). *Thomas M. Haggerty, Eugene S. Morton, and Robert C. Fleischer* 215

Does Red-cockaded Woodpecker Excavation of Resin Wells Increase Risk of Bark Beetle Infestation of Cavity Trees? *Richard N. Conner, Daniel Saenz, D. Craig Rudolph, William G. Ross, David L. Kulhavy, and Robert N. Coulson* 219

Effects of Forest Harvesting on Nest Predation in Cavity-nesting Waterfowl. *Johanna P. Pierre, Heather Bears, and Cynthia A. Paszkowski* 224
Anomalous Variation in Mitochondrial Genomes of White-crowned (*Zonotrichia leucophrys*) and Golden-crowned (*Z. atricapilla*) Sparrows: Pseudogenes, Hybridization, or Incomplete Lineage Sorting? *Jason D. Weckstein, Robert M. Zink, Rachelle C. Blackwell-Rago, and Douglas A. Nelson* 231
Relationship of Songbird Nest Concealment to Nest Fate and Flushing Behavior of Adults. *Dirk E. Burhans and Frank R. Thompson III* 237
Genetic Monogamy in Wilson's Storm-Petrel. *Petra Quillfeldt, Tim Schmoll, Hans-Ulrich Peter, Jörg Thomas Epplen, and Thomas Lubjuhn* 242
Adenylate Kinase Intron 5: A New Nuclear Locus for Avian Systematics. *Leo H. Shapiro and John P. Dumbacher* 248

COMMENTARY
Pox and Plumage Coloration in the House Finch: A Critique of Zahn and Rothstein. *Geoffrey E. Hill* 256
House Finches Are Not Just What They Eat: A Reply to Hill. *Sherie N. Zahn and Stephen I. Rothstein* 260

ADDENDUM 267

WILLIAM BREWSTER MEMORIAL AWARD, 2000: CYNTHIA CAREY 268

ELLIOTT COUES AWARD, 2000: THOMAS E. MARTIN 269

REVIEWS. *Edited by Rebecca L. Holberton* 271

100 YEARS AGO IN THE AMERICAN ORNITHOLOGISTS' UNION 281

NUMBER 2

PERSPECTIVES IN ORNITHOLOGY

ADVANCES IN AVIAN BEHAVIORAL ENDOCRINOLOGY. *Barney A. Schlinger, Kiran K. Soma, and Colin Saldanha* 283

OVERVIEW

DISEASE EMERGENCE IN BIRDS: CHALLENGES FOR THE TWENTY-FIRST CENTURY. *Milton Friend, Robert G. McLean, and F. Joshua Dein* 290

ARTICLES

BIRD ASSEMBLAGES IN SECOND-GROWTH AND OLD-GROWTH FORESTS, COSTA RICA: PERSPECTIVES FROM MIST NETS AND POINT COUNTS. *John G. Blake and Bette A. Loiselle* 304

DYNAMICS OF CONJUNCTIVITIS AND *MYCOPLASMA GALLISEPTICUM* INFECTIONS IN HOUSE FINCHES. *Barry K. Hartup, Jean M. Bickal, Andre A. Dhondt, David H. Ley, and George V. Kollias* 327

A NEW SPECIES OF TODY-TYRANT (TYRANNIDAE: *POECILOTRICCUS*) FROM NORTHERN PERU. *Ned K. Johnson and Robert E. Jones* 334

LONG-TERM STUDY OF APPARENT SURVIVAL IN PACIFIC GOLDEN-PLOVERS AT A WINTERING GROUND ON OAHU, HAWAIIAN ISLANDS. *Oscar W. Johnson, Phillip L. Bruner, Jay J. Rotella, Patricia M. Johnson, and Andrea E. Bruner* 342

EFFECTS OF SUPPLEMENTAL FOOD ON PARENTAL-CARE STRATEGIES AND JUVENILE SURVIVAL OF NORTHERN GOSHAWKS. *Sarah R. Dewey and Patricia L. Kennedy* 352

GEOGRAPHIC VARIATION IN THE SONG OF WILLOW FLYCATCHERS: DIFFERENTIATION BETWEEN *EMPIDONAX TRAILLII ADASTUS* AND *E. T. EXTIMUS*. *James A. Sedgwick* 366

EFFECTS OF HABITAT FRAGMENTATION ON PAIRING SUCCESS OF OVENBIRDS: IMPORTANCE OF MALE AGE AND FLOATER BEHAVIOR. *Erin M. Bayne and Keith A. Hobson* 380

BIRD MIGRATION THROUGH A MOUNTAIN PASS STUDIED WITH HIGH RESOLUTION RADAR, CEILOMETERS, AND CENSUS. *Timothy C. Williams, Janet M. Williams, Peter G. Williams, and Paul Stokstad* 389

LEK-LIKE MATING SYSTEM OF THE MONOGAMOUS BLUE-BLACK GRASSQUIT. *Juliana B. Almeida and Regina H. Macedo* 404

MICROCLIMATE OF TREE CAVITY NESTS: IS IT IMPORTANT FOR REPRODUCTIVE SUCCESS IN NORTHERN FLICKERS? *Karen L. Wiebe* 412

RECLAIMED COAL MINE GRASSLANDS AND THEIR SIGNIFICANCE FOR HENSLOW'S SPARROWS IN THE AMERICAN MIDWEST. *Robb A. Bajema, Travis L. DeVault, Peter E. Scott, and Steven L. Lima* 422

AVIAN RESPONSES TO RESTORATION: NEST-SITE SELECTION AND REPRODUCTIVE SUCCESS IN SONG SPARROWS. *Brenda Larison, Stephen A. Laymon, Pamela L. Williams, and Thomas B. Smith* 432

BIRD DIVERSITY COMPONENTS IN AUSTRALIAN *EUCALYPTUS* AND NORTH-TEMPERATE *QUERCUS* WOODLANDS. *Martin L. Cody* 443

GEOGRAPHIC VARIATION, HYBRIDIZATION, AND THE LEAPFROG PATTERN OF EVOLUTION IN THE SUIRIRI FLYCATCHER (*SUIRIRI SUIRIRI*) COMPLEX. *Floyd E. Hayes* 457

AVIFAUNA OF A LOWLAND FOREST SITE ON ISABEL, SOLOMON ISLANDS. *Andrew W. Kratter, David W. Steadman, Catherine E. Smith, Christopher E. Filardi, and Horace P. Webb* 472

FORAGING STRATEGIES AND NICHE DYNAMICS OF COEXISTING SHOREBIRDS AT STOPOVER SITES IN THE SOUTHERN GREAT PLAINS. *Craig A. Davis and Loren M. Smith* 484

IN MEMORIAM: LUIS FELIPE BAPTISTA, 1941–2000. *Sandra L. L. Gaunt and Barbara B. DeWolfe* 496

SHORT COMMUNICATIONS

Estimating repeatability of egg size. *Paul L. Flint, Robert F. Rockwell, and James S. Sedinger* 500

Effect of investigator disturbance on nest attendance and egg predation in Eurasian Oystercatchers. *Nanette Verboven, Bruno J. Ens, and Sharon Dechesne* 503

Nocturnal activities of post-breeding Wood Storks. *A. Larry Bryan, Jr., Joel W. Snodgrass, John R. Robinette, James L. Daly, and I. Lehr Brisbin, Jr.* 508

Timing of breeding range occupancy among high-latitude passerine migrants. *Anna-Marie Benson and Kevin Winker* 513

Growth rate and energetics of Arabian Babbler (*Turdoides squamiceps*) nestlings. *Avner Anava, Michael Kam, Amiram Shkolnik, and A. Allan Degen* 519

Does group size affect field metabolic rate of Arabian Babbler (*Turdoides squamiceps*) nestlings? *Avner Anava, Michael Kam, Amiram Shkolnik, and A. Allan Degen* 525

Diving depths of Northern Gannets: Acoustic observations of *Sula bassana* from an autonomous underwater vehicle. *Andrew S. Brierley and Paul G. Fernandes* 529

Factors affecting Reed Warbler risk of brood parasitism by the Common Cuckoo. *Alice L. Clarke, Ingar J. Øien, Marcel Honza, Arne Moksnes, and Eivin Røskaft* 534

Latitudinal variation in female local return rate in the philopatric Pied Flycatcher (*Ficedula hypoleuca*). *Juan José Sanz* 539

Territorial movements of Black-throated Blue Warblers in a landscape fragmented by forestry. *Rebecca J. Harris and J. Michael Reed* 544

Body-mass changes in female Collared Flycatchers: State-dependent strategy. *Mariusz Cichoń* 550

Sexual size dimorphism and positive assortative mating in Alpine Choughs (*Pyrrhocorax graculus*). *Anne Delestrade* 553

COMMENTARY

Habitat selection studies in avian ecology: A critical review. *Jason Jones* 557

ERRATUM 563

REVIEWS. *Edited by Rebecca L Holberton* 564

100 YEARS AGO IN THE AMERICAN ORNITHOLOGISTS' UNION 572

ANNOUNCEMENT 573

NUMBER 3

PERSPECTIVES IN ORNITHOLOGY

CURRENT BIRD CONSERVATION ISSUES IN AFRICA. *Thomas Brooks and Hazell Shokellu Thompson* 575

OVERVIEW

LONG-TERM RESEARCH AND THE DYNAMICS OF BIRD POPULATIONS AND COMMUNITIES. *Scott L.Collins* 583

ARTICLES

THIRTY-YEAR BIRD POPULATION TRENDS IN AN UNFRAGMENTED TEMPERATE DECIDUOUS FOREST: IMPORTANCE OF HABITAT CHANGE. *Richard T. Holmes and Thomas W. Sherry* 589

A CYTOCHROME-*b* PERSPECTIVE ON *PASSERINA* BUNTING RELATIONSHIPS. *John Klicka, Adam J. Fry, Robert M. Zink, and Christopher W. Thompson* 611

AGE AND REPRODUCTION IN LESSER SPOTTED WOODPECKERS (*DENDROCOPOS MINOR*). *Ulf Wiktander, Ola Olsson, and Sven G. Nilsson* 624

COLONY AND POPULATION DYNAMICS OF BLACK-LEGGED KITTIWAKES IN A HETEROGENEOUS ENVIRONMENT. *Robert M. Suryan and David B. Irons* 636

FACTORS GOVERNING THE DISTRIBUTION OF SWAINSON'S WARBLER ALONG A HYDROLOGICAL GRADIENT IN GREAT DISMAL SWAMP. *Gary R. Graves* 650

COMPARATIVE FUEL USE OF MIGRATING PASSERINES: EFFECTS OF FAT STORES, MIGRATION DISTANCE, AND DIET. *Leonard Z. Gannes* 665

Response of passerine birds to forest edge in coast redwood forest fragments. *L. Arriana Brand and T. Luke George* 678

Composition of eggs and neonates of Canada Geese and Lesser Snow Geese. *Shannon S. Badzinski, C. Davison Ankney, James O. Leafloor, and Kenneth F. Abraham* 687

Low initial refueling rate at stopover sites: A methodological effect? *Regine Schwilch and Lukas Jenni* 698

Activity patterns and effect of ticks on growth and survival of tropical Roseate Tern nestlings. *Jaime A. Ramos, John Bowler, Laura Davis, Sarah Venis, John Quinn, and Carole Middleton* 709

Effect of conspecific brood parasitism on host fitness for Tufted Duck and Common Pochard. *Bruce D. Dugger and Peter Blums* 717

Territory and nest-site selection of Cerulean Warblers in eastern Ontario. *Jason Jones and Raleigh J. Robertson* 727

In Memoriam: Don Richard Eckelberry, 1921–2001 736

In Memoriam: William B. Robertson, Jr., 1924-2000 740

Short Communications

Within-season nest-site fidelity in Eastern Bluebirds: Disentangling effects of nest success and parasite avoidance. *Mark T. Stanback and Anne A. Dervan* 743

Sex-related differences in habitat use in wintering American Kestrels. *Daniel R. Ardia and Keith L. Bildstein* 746

Female hematozoan infection reduces hatching success but not fledging success in Pied Flycatchers *Ficedula hypoleuca* *Juan J. Sanz, Elena Arriero, Juan Moreno, and Santiago Merino* 750

Diving depths of shearwaters. *Alan E. Burger* 755

Visual signals for individual identification: The silent "song" of Ruffs. *David B. Lank and James Dale* 759

Frequency of egg and nestling destruction by female Brown-headed Cowbirds at grassland nests. *Diane A. Granfors, Pamela J. Pietz, and Lisa A. Joyal* 765

Nest desertion by Field Sparrows and its possible influence on the evolution of cowbird behavior. *Bill M. Strausberger and Dirk E. Burhans* 770

Regional variation in response of Field Sparrows to the threat of Brown-headed Cowbird parasitism. *Dirk E. Burhans, Bill M. Strausberger, and Michael D. Carey* 776

Standard and comparative energetics of a small avian herbivore (*Phytotoma rara*). *Enrico L. Rezende, M. Victoria López-Calleja, and Francisco Bozinovic* 781

Function and temporal variation in use of ossuaries by Bearded Vultures (*Gypaetus barbatus*) during the nestling period. *Antoni Margalida and Joan Bertran* 785

Individual and seasonal variation in external genitalia of male Tree Swallows. *Michael P. Lombardo* 789

Observational learning in hummingbirds. *Douglas L. Altshuler and Andrea M. Nunn* 795

Phylogenetic utility of avian ovomucoid Intron G: A comparison of nuclear and mitochondrial phylogenies in Galliformes. *Margaret H. Armstrong, Edward L. Braun, and Rebecca T. Kimball* 799

Reviews. *Edited by Rebecca Holberton* 805

100 Years Ago in the American Ornithologists' Union 817

NUMBER 4

Perspectives in Ornithology

It takes guts (and more) to eat fruit: Lessons from avian nutritional ecology. *Douglas J. Levey and Carlos Martínez del Rio* 819

Overview

Do we know what we think we know about winter ranges of migrants to South America? The case of the Veery (*Catharus fuscescens*). *Philip C. Stouffer* 832

Articles

True winter range of the Veery (*Catharus fuscescens*): Lessons for determining winter ranges of species that winter in the tropics. *J. V. Remsen, Jr.* 838

Phylogeny and systematics of Ground Rollers (Brachypteraciidae) of Madagascar. *Jeremy J. Kirchman, Shannon J. Hackett, Steven M. Goodman, and John M. Bates* 849

Reproductive success of forest-dependent songbirds near an agricultural corridor in south-central Indiana. *Thomas B. Ford, Donald E. Winslow, Donald R. Whitehead, and Matthew A. Koukol* 864

A MOLECULAR PHYLOGENY OF THE DOVE GENERA *STREPTOPELIA* AND *COLUMBA*. *Kevin P. Johnson, Selvino de Kort, Karen Dinwoodey, A. C. Mateman, Carel ten Cate, C. M. Lessells, and Dale H. Clayton* 874

SITE FIDELITY, PHILOPATRY, AND SURVIVAL OF PROMISCUOUS SALTMARSH SHARP-TAILED SPARROWS IN RHODE ISLAND. *Deborah A. DiQuinzio, Peter W. C. Paton, and William R. Eddleman* 888

CAROTENOID PIGMENTS IN MALE HOUSE FINCH PLUMAGE IN RELATION TO AGE, SUBSPECIES, AND ORNAMENTAL COLORATION. *Caron Y. Inouye, Geoffrey E. Hill, Riccardo D. Stradi, and Robert Montgomerie* 900

ENERGETICS OF TOUCANS, A BARBET, AND A HORNBILL: IMPLICATIONS FOR AVIAN FRUGIVORY. *Brian K. McNab* 916

DOES KLEPTOPARASITISM BY GLAUCOUS-WINGED GULLS LIMIT THE REPRODUCTIVE SUCCESS OF TUFTED PUFFINS? *Colleen Cassady St. Clair, Robert C. St.Clair, and Tony D. Williams* 934

PREFLEDGING ENERGY REQUIREMENTS IN SHOREBIRDS: ENERGETIC IMPLICATIONS OF SELF-FEEDING PRECOCIAL DEVELOPMENT. *Hans Schekkerman and G. Henk Visser* 944

GEOGRAPHICAL VARIATION IN THE CONTACT CALLS OF ORANGE-FRONTED PARAKEETS. *Jack W. Bradbury, Kathryn A. Cortopassi, and Janine R. Clemmons* 958

HOW MANY BASKETS? CLUTCH SIZES THAT MAXIMIZE ANNUAL FECUNDITY OF MULTIPLE-BROODED BIRDS. *George L. Farnsworth and Theodore R. Simons* 973

GROWTH AND DEVELOPMENT OF HOMEOTHERMY IN NESTLING EUROPEAN SHAGS (*PHALACROCORAX ARISTOTELIS*). *Jan Eivind Østnes, Bjørn Munro Jenssen, and Claus Bech* 983

AGE AT FIRST BREEDING AND NATAL DISPERSAL IN A DECLINING POPULATION OF CASSIN'S AUKLET. *Peter Pyle* 996

STABLE-ISOTOPE ANALYSIS OF CANVASBACK WINTER DIET IN UPPER CHESAPEAKE BAY. *G. Michael Haramis, Dennis G. Jorde, Stephen A. Macko, and Jane L. Walker* 1008

AVIAN NESTING SUCCESS IN FORESTED LANDSCAPES: INFLUENCE OF LANDSCAPE COMPOSITION, STAND AND NEST-PATCH MICROHABITAT, AND BIOTIC INTERACTIONS. *Amanda D. Rodewald and Richard H. Yahner* 1018

IN MEMORIAM: BERNT H. O. F. LØPPENTHIN, 1904–1994. *Niels Otto Preuss* 1029

IN MEMORIAM: GEORGE B. SAUNDERS, 1907–2001. *Henry M. Reeves* 1030

IN MEMORIAM: LAWRENCE KILHAM, 1910–2000. *Jerome A. Jackson* 1031

IN MEMORIAM: PHILLIPS B. STREET, 1914–2000. *Jerome A. Jackson* 1033

IN MEMORIAM: CHARLES HARTSHORNE, 1897–2000. *Alexander F. Skutch* 1034

SHORT COMMUNICATIONS

Intraspecific variation in commuting distance of Marbled Murrelets (*Brachyramphus marmoratus*): Ecological and energetic consequences of nesting further inland. *Cindy L. Hull, Gary W. Kaiser, Cecilia Lougheed, Lynn Lougheed, Sean Boyd, and Fred Cooke* 1036

Nest defense as parental care in the Northern Hobby (*Falco subbuteo*). *Fabrizio Sergio and Giuseppe Bogliani* 1047

Do Golden-cheeked Warblers select nest locations on the basis of patch vegetation? *Donald C. Dearborn and Laura L. Sanchez* 1052

Timing of mineral sequestration in leg bones of White-tailed Ptarmigan. *James R. Larison, J. G. Crock, and Christine M. Snow* 1057

Experimental support for a new drift block design to assess seabird mortality from oil pollution. *Francis K. Wiese and Ian L. Jones* 1062

Nest-attenders in the Pied Flycatcher (*Ficedula hypoleuca*) during nestling rearing: A possible case of prospective resource exploration. *Ulf Ottosson, Johan Bäckman, and Henrik G. Smith* 1069

Copulatory behavior of American Avocets and Black-necked Stilts. *Tex A. Sordahl* 1072

Fitness-related consequences of relaying in an Arctic seabird: Survival of offspring to recruitment age. *J. Mark Hipfner* 1076

Protein requirements of a specialized frugivore, Pesquet's Parrot (*Psittrichas fulgidus*). *Gregory S. Pryor, Douglas J. Levey, and Ellen S. Dierenfeld* 1080

Large-scale variation in growth of Black Brant goslings related to food availability. *James S. Sedinger, Mark P. Herzog, Brian T. Person, Morgan T. Kirk, Tim Obritchkewitch, Philip P. Martin, and Alice A. Stickney* 1088

Bounce and double trill songs of male and female Western Screech-Owls: Characterization and usefulness for classification of sex. *Brian L. Herting and James R. Belthoff* 1095

Is diet-shifting facilitated by modulation of pancreatic enzymes? Test of an adaptational hypothesis in Yellow-rumped Warblers. *M. Eugenia Ciminari, Daniel Afik, William H. Karasov, and Enrique Caviedes-Vidal* 1101

REVIEWS. *Edited by R. Todd Engstrom* 1108

100 YEARS AGO IN THE AMERICAN ORNITHOLOGISTS' UNION 1121

REVIEWERS FOR *THE AUK*, 2001 1122
INDEX TO VOLUME 118. COMPILED BY BRADLEY R. PLUMMER AND REBECCA M. BRAUCHT 1124

DATES OF ISSUES OF "THE AUK"

VOL. 118, NO. 1—8 MARCH 2001

VOL. 118, NO. 2—6 JUNE 2001

VOL. 118, NO. 3—9 SEPTEMBER 2001

VOL. 118, NO. 4—14 NOVEMBER 2001